

1897

Oregon  
Washington





Vernon Bailey 10  
1897

Dept. of Agl. Washington, D.C.



*Sphaerella nivalis*  
pink snow, Wagona Bull. 2, 172

May 12, 1897

Left Washington at 8:05 P.M.

May 13

Chicago — 9 P.M.

May 14

Minneapolis 3 P.M.

Elk River 10:10 "

May 15

Home

May 21

Left Elk River at 3:44

Left Minneapolis at 7:40

on St. P. & S. C.

California Junction

May 22

California Junction 7:40

Blair, Neb. 8:15

Fronton

Sidney — dark



May 13, Meadow Vale,

Lepus sylvaticus, a nest of  
6 very young in hole in  
ground.

Same date + place - a  
nest of 5 small young in  
hole under old stack bottom



May 23

Rawlins, Wyo. Daylight  
plenty of grass, no stock

Ogden - 1140

Lft Ogden 2,10

Corrins a broad, open  
gap extends north to  
Bear Lake & Snyouan  
Ips undoubtedly goes  
through to Snake R.

Kelton

Mountains to the  
north & those to west  
of Salt Lake are  
covered with snow  
Amber, first section house  
west of Kelton - a  
Spernophilus wallis seen  
close to track.

Mountains north of  
Kelton extend toward  
a way connect with  
Bonneville -

May 24

Rawlins - Daylight

Reva

Balsamorhiza sagittifolia  
Verdi edge of mts - &  
edge of transition 2.

Cercocarpus

Pinus ponderosa

Kunzia

Wasmal

Ceanothus (Squaw) Carpet  
Arctostaphylos, mid leaf

State line 6000 ft

Ceanothus velutinus 6300

Boca 6400

Pinus murrayana

Truckee 6750

Boulevardia ligularis

P. ponderosa stops &  
murrayana takes its place.

These pines overlap from

Truckee to Boca.

Boreal zone begins

just above Truckee

Summit

8100



Blue Canyon

5530

Simms

Sacramento 4/40

May 25

Redding breakfast

*Pinus ponderosa*

*Pinus benthamiana*?

*Quercus*, two deciduous

" 2 evergreens

*Arctostaphylos*, with broad  
blue-green leaf

*Ceanothus*

*Quercus chrysophylla*

Wild grapes

*Cercis*

*Castanea*?

Kennett

*Arctostaphylos*, green leaved

*Acer* - big leaved

*Ceanothus* *platanus*

" (blue flowered)

*Fraxinus*

*Rhododendron*

*Quercus*

*Pseudotsuga*

*Larix*

Two oaks except *Quercus*  
*chrysophylla* stop.

End of blue leaved

*Arctostaphylos*

End of *Castanea*?

End of *Ceanothus* "*inc. affinis*"

" *Pinus benthamiana*

→ Simms - End of trace of  
Sonoran Zone!

Castle Crags

End of green leaved *Arctostaphylos*

*Cornus* tree

*Arctostaphylos*, spatulate leaf

Shasta Retreat

a few *Quercus chrysophylla*

*Arctostaphylos*, green leaved,

white flowered *Ceanothus*,

occur on plateau at

Sisson

4000

A few *P. ponderosa* at Sisson

*P. muhlenbergii*

*Quercus*

*P. lambertiana*

*Pseudotsuga*

*Cornus*

*Ceanothus* (white flower)

*Veratrum* white

*Ceanothus* (square leaf)



Past Season

*Ceanothus velutinus*  
*Populus tremuloides*  
*Munzgia tridentata*  
*Gazelle* big open valley

*Picea*

*Tetradymia*

*Amorpha*

*Eschscholtzia*

*Ostrya*

*Lepus californicus*

*Chondrostoma*

still open valley

Montague

same country

Agassiz

down steep cuts through  
brushy hills to Klamath

River at

Mauneth

good river flats -

*Quercus*, shrubby evergreen

(lobed leaf)

Across Klamath R.

Hornbrook, bottom of Valley

*Spermophilus beecheyi*

5

Siskiyou

Boreal

Ashland

May 24 Ashland

7:45 AM Cyclometer 6 1/2

" " Aneroid 1900

*Pinus ponderosa*, fewer on slope

*Quercus* big leaf oak

" " live oak

*Arctostaphylos* blue leaved

" " chittenden tree

Rose

*Ceanothus*

*Chamaenerion*

*Madia*

*Phoradendron*, abn on oak

*Amorpha*

*Acer*

*Fraxinus*

*Alnus*

*Salix*

*Crataegus*

*Erodium cicutarium*

*Urtica*

*Potamogeton*

*Oxalis*

Peaches many

Apples



Oakland May 26

- *Circus hudsonius*
- *Icteria virens* abn
- *Melanerpes formicivorus* 2
- *Corvus americanus* 1
- *Capodacus carolinensis* 8 abn
- *Sialia azurea* 4
- *Agelaius* 8
- *Petrochelidon* abn
- *Chondestes*, com, 1 yg.
- *Spiza americana* 2
- *Tyrannus verticalis* 3
- *Sturnella* com
- *Zonotrichia* "
- *Spizella arizonae* 1
- *Colaptes* 1 heard
- *Callipepla californica* 1 ♂ crowing  
top of *Arctostaphylos* bush.
- *Spinus* 2
- *Chondestes aura* 6
- *Icterus bullocki* com
- *Melanerpes formicivorus* 1
- up hill 3700 feet
- *Pyrrhuloxia ludovicianae* 2
- *Contopus richardsoni*, com
- *Habia melanocephala* 1
- *Oenanthe* 2
- *Melospiza* 1
- *Pipilo* com at 5700 feet
- *Chondestes* 1
- *Junco* 6

up hill

14 miles, 3700 feet

*Thuja*

*Bachman's*

4000

*Cercospora parvifolia* 5000

*Ceanothus*

Top of ridge 17 mi.

5000

on top

*Pinus ponderosa*

*Quercus* dwarfed.

*Pseudotsuga*

*Amelanchier*

down first ridge

*Prunus*

*Arctostaphylos*

up second ridge to 5200

*Pinus* scarce

No oaks or *Mimulus*

*Berberis* Oregon grape

*Abies*

*Castanopsis chrysophylla*

*Baccharis myrsinites*

*Spergularia chrysantha*

down first ridge 2

Quail 1

top of ridge, forest

20 mi. 4800 feet

*Arctostaphylos* com again 2.

*Quercus* black oak 4700

*Junco* 10

4000

*Rhus*

*Pinus ponderosa*



*Sialia arctica*  
*Scolecophagus* 2

Stage Station 6, 33.5 mi. 4550

May 27

Station 6, 30 40 4450

top of flat ridge 6 mi. 5300  
Heavy timber growth slope

Ranch 12 mi. 4300

*Canis esculenta*  
Big Creek 13 mi. 4200

*Spiz. behringi*  
Klamath R.

Klamath marsh 20, 4550

Klamath Falls 65 mi. 4600

*Zonotrichia* com

Ruddy duck 2 a pair

*Sturna magna*

*Otocoris*

*Hirundo*

May 30

Merrill, 3 P.M.

*Carpodacus*

*Ethiella*

*Hirundo*

*Petrochelidon*

*Zonotrichia*

*Spizella*

*Pelicans* a lot

*Pandion* 10 nests  
a lot of old & young

*Buteo swainsoni* 2

*Speotyto* heard in singing

*Falco sparverius* 1

*Pica* 1

*Oroscoptes*



May 31 Carr's Ranch 6:30

- *Corvus corax* 1
- *Atseorhis*
- *Corvus* 1
- *Silvius* 1000
- *Grus* 2
- *Ardea herodias*
- *Buteo* heard
- *Forster's tern* 1
- *Cathartes aura* abn.
- *Falco mex.* 1
- *Sturnella*
- *Agelaius phoeniceus* com.
- *Zonotrichia* 1
- *Tyrannus verticalis* 1
- *Oreoscoptes* 2
- *Lanius* 1
- *Agelaius* 1

Dry Lake

- *Colaptes* 1
- *Pipilo chlorurus* 3
- *Poocetes*
- *Sialia mex.* 1
- *Sialia arctica* 1
- *Parus gambeli*
- *Melanerpes formicivorus* 2
- *Falco sparverius* 1
- *Morula* 2000

S. of Tule Lake

- *Gryzopsis*
- *Leptodroma*
- *Phaethon* 2
- *Clarkia*
- *Amelanchier*
- *Lepidus pubescens*
- *Ostrya (Corylus)*

- *Actinidia* 1
- *Bignonia* 2
- *Kunzia*
- *Loa axillaris*

Dry Lake

- *Wyethia mollis*
- *Rhamnus*
- *Ceanothus prostratus*
- *Pinus* 1
- *Escholtzia* 1
- *Cercocarpus ledifolius*
- *Balsamorhiza hirsuta*
- *Kunzia*
- *Pinus ponderosa*
- *Juniperus*
- *Fragaria albicaulis*
- *Chrysothamnus* 1
- *Ceanothus velutinus*
- *Amelanchier*
- *Libocedrus decurrens*



June 1 7 AM

Sitta carolinensis

Picus carolinensis

Pipilo oregonus

Pitt River 10 AM

Sayornis nigricans

Grasshopper

Petrochelidon

Redstart

Indigo Bunting

Shrike

Redstart

Ceryle alcyon

Ceryle alcyon

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Hot Spots

Pitt River Valley

Quercus

Artemisia tridentata

"

"

Lupinus (various)

"

Lupinus

Quercus

Juniperus

Artemisia

Pennisetum

Coleraria grandiflora

Amsinckia

Phacelia

Sidalcea

Brickellia

"

Ribes



June 2 7 PM

Chlorus

-Flea

• Chaptal pair in tree

• Lathyrus

• Circus

• Junco hyemalis - common

• Merganser

• Parus - in tree

• C. v. ...

• Lathyrus

• Lathyrus - common

• Chrysomitris

• ...

• Gallinula chloropus

• C. ...

• ...

• ...

• ...

• ...

• ...

• ...

• ...

• ...

• ...

• ...

• ...

• ...

June 3 Swamp 5-6 PM

• D. ...

• E. ...

• C. ...

• ...

• P. ...

• ...

• P. ...

• ...

• ... 5500

• L. ...

• ...

• ... 3

• ...

• ...

• ...

• B. ... 3

• ...

• ...

• ...

• ...

• ...

• ...

• ...

• ... (yellow + red)

• ...

• ...

• ...



June 3  
Medicine Plains

*Grasshopper*  
*Troglodytes*  
*Zenaidura macroura*  
*Perisoreus*  
*Spizella*  
*Parus*  
*Carpodacus*  
*P. chrysurus*  
*Sayornis* nest in house  
*Sage Grouse* 20  
*Striped Grouse*, nest, 5 eggs  
*Junco* nest, 4 eggs  
*Lanius ludovicianus* 1  
*Salix*  
*Salix*  
*Phalaropus*  
*Cyanus*  
*Agelaius*  
*Cathartes*  
*Tyrannus*  
*Protonotaria*

June 4 Camp 7 4400  
Returning

Van Hornes  
School House  
and Valley 7500 6050  
Birds  
6350  
Tower Pitt. Riv. 5200  
Camp in Pitt. Riv. 5150

Sp. in Valley, 4 in 1000 ft.  
Two seen, 1 in 1000 ft.  
One with 1000 ft. of 1000 ft.  
One in 1000 ft. of 1000 ft.  
One in 1000 ft. of 1000 ft.



June 5. Camp 7130 515  
Fist. R. Valley

Grass canadensis  
B. L. L. L.  
W. L. L. L.

Altitude

Scirpus elongatus  
P. L. L. L.

Commersonia elegans  
C. L. L. L.  
L. L. L. L. to Camp 7100

Camp 7100 510

June 6. Camp 12

Artemisia 4  
B. L. L. L. 2  
Balsamorhiza ang.  
Rumex  
Brydia congesta  
Lactuca

Juniperus

P. L. L. L.  
L. L. L. L. 2  
W. L. L. L.  
L. L. L. L.  
R. L. L. L.

Lupinus (pallidus)

Camp 7 P. L. L.

Oxalis  
Lupinus vestitus 2  
Chenopodium cyath.  
Sage plant 1  
F. L. L. L. 4  
C. L. L. L. 1  
P. L. L. L.  
Z. L. L. L.  
M. L. L. L.  
C. L. L. L.  
P. L. L. L.  
P. L. L. L.  
P. L. L. L.



June 7 Camp J.R. 100

Melanerpes formicivorus 5  
Dendroica auduboni 1

Stell Swamp 900 ft

Empidonax griseus 1

Blue Lake

Spizella monticola 1  
Sialia sialis 1

Polioptila caerulea 1  
Empidonax griseus 1

200 ft

Empidonax griseus 1

Phoebe 2

Sialia sialis 1

Junco hyemalis 1

Empidonax

Empidonax

Empidonax

Empidonax

Empidonax

Coccyzus erythrophthalmus

Geothlypis trichas

Vireo

June 7

Ardea egretta 2

Cinnamomum

Empidonax

Willow

Willow

Willow

Blackbird 3 sp.

Micropodops

Sterna

Phalaropus

Phalaropus

Progne subis 1

Spizella 2

June 8 Clear Lake

June 9

Coccyzus erythrophthalmus

Empidonax



June 1) Not 23 45 50

Prunus pleurophylla  
" chokeberry

Cercocarpus betulifolia

Amelanchier

Ceanothus velutinus

R. parviflora

Pseudotsuga

Libocedrus

Ribes cereum

"

Juniperus communis 2

Wyethia mollis

Phacelia grandiflora

Pachystima

Ceanothus fruticosus

Ceanothus velutinus

Ribes cereum

Juniperus 54

Swainsonia 445

Juniperus communis

Pyrus amurensis

Junell

Junco 3

Sialia mex 4

Morula

Orco

Pipera longicauda

Florus

Empidonax

Sphyrapicus

Rubus phoeniceus

Spizella

Quercus agrifolia

Pomada

Juniperus communis

Juniperus

Sambucus racemosa

Juniperus

Corylus

Juniperus

Juniperus

Juniperus

Juniperus

Juniperus

Juniperus

Juniperus

Juniperus

Juniperus



June 13 Swan Valley

- Cyanocitta, 12 under
- Cyanocitta, 12 under
- Loxia -
- Dendroica
- Pyrrhuloxia 1
- Lanius - nest
- Passerina versicolor
- Empidonax
- Contopus richardsoni
- C. c. c.

June 14 Swan Valley

- Sialia arctica
- Chondestes major 1 egg
- Pooecetes gramineus
- Turdus 1 egg
- Pooecetes
- Dendroica striata
- Empidonax hammondi
- Setta socialis
- Forest nighthawk
- Lanius
- Campylorhynchus
- Sitta carolinensis
- Sitta carolinensis
- Pyrrhuloxia
- Dendroica striata

Myadestes

Nighthawk

Parus

Dendroica striata

June 14 Swan Valley

- Dendroica 2
- Dendroica 3
- Rhynchops
- Dendroica
- Lanius
- Ribes
- Empidonax hammondi



June 15 old mill 8

- *Penicillium* 1
- *Aspergillus americanus*
- *Spizella socialis* 2

Spencer R. Folsom

- *Th. G. v. s.*
- *Setaria viridis*
- *Setaria viridis*
- *Regulus*
- *Setaria viridis*

- *Zenaidura*
- *Sphyrapicus*
- *Melanerpes formicivorus*
- *Geothlypis trichas*

- *Ophelia*
- *Micula*
- *Porosyllis*
- *Bathyspongia*
- *Pardipharbatia* 2

Spargus R. & Cuy

- Wetland 3

- Didelphis?*

- Heard

- 778

- Yellow. 1884.

- Balsamorhiza

- W. L. G. D. W. G.

Band 5

From H. Richardson 22 30

- Robertus Thomas C. Edm.

- Српска Краљевина



June 16 Round Grove

- *Petrochelidon*
- *Chelidon*
- *Cyanocitta*
- *Geothlypis*
- *Colaptes auratus*
- *Contopus richardsoni*
- *Euphonia*
- *Geothlypis maculosa*

Summit 9,300 5,200

- *Cyanocitta*
- *Dendroica auduboni*
- *Campylorhynchus*
- *Zenaidura*

June 17 up water

- *Geothlypis*
- *Colaptes auratus*
- *Contopus richardsoni*
- *Euphonia*
- *Geothlypis maculosa*
- *Chrysomitris*

- *Euphonia*
- *Geothlypis*
- *Chrysomitris*

June 18 9

5300

Had 1 Draw Valley

5400

- *Sturges*
- *Verreaux*
- *Colaptes*
- *Petrochelidon*
- *Chelidon*
- *Spizella*
- *Rockwell*
- *Thryothorus*
- *Sedula*
- *Agelaius*
- *Hylocichla ustulata*
- *Whit*
- *Myiarchus cinerascens*
- *Thryothorus*
- *Pipilo*

Approx. 4900

- *Geothlypis*
- *Colaptes auratus*
- *Contopus richardsoni*
- *Euphonia*
- *Geothlypis maculosa*
- *Chrysomitris*
- *Euphonia*
- *Geothlypis*
- *Chrysomitris*
- *Euphonia*
- *Geothlypis*
- *Chrysomitris*



Chesapeake Valley

Grass & Caninus  
Asteriscus tridentata  
" trifida  
" sp.

Bigelovia  
Thunbergia

Chesapeake Valley 4900

Urtica 3  
Bigelovia 2  
Tillandsia  
Lupinus, narrow leaf

Phacelia  
Thunbergia

June 19 Camp 8 4900

Lupinus  
Ceanothus  
Bigelovia 3050

Bigelovia 4800

Phacelia, stricta

Ceanothus

Apocynum

June 20 Chesapeake R. 7400

Lupinus, narrow leaf

Bigelovia

Thunbergia

Thunbergia

Chesapeake Valley June 19

Lupinus pubescens  
" narrow leaf

Physalis 2

Urtica 3

Bigelovia 3

Lupinus axillaris

Ceanothus Californicus

Nadia

Astragalus (wooded)

Grayia

Carotterata xanthophylla

Ceanothus

Sarcocolla

Tetradymia (sp. densa)

Asclepias (sp. densa)

Setragia

Tetradymia, caninus

Thunbergia (sp. densa)

Adonis grandiflora

Miller, plant long

June 21 4800

Thunbergia (sp. densa)

Thunbergia

Thunbergia







June 21 Camp 13. 4725

- Amphispiza nevadensis* 1  
*Sporophila sagrei* com.  
*Pica* 2  
*Melospiza cinerea* 2  
*Turdus* com.  
*Empidonax* 1  
*Pipilo chlorurus* com.  
*Colinus* ag. com.  
*Coturnix* 2  
*Recurvirostra americana* com.  
*Chondestes* com.  
*Myiarchus cinerascens* 1  
*Junco* 1  
*Spizella* 1  
*Passer* 1  
*Stelgidopteryx serripes* 1  
*Phalaropus lobatus* 1

Silver Lake



June 13 Camp 230

4335

Alsa

4400

Alsa

4300

Spring 1 small

4475

1 Cuba 2 Alsa 1 Alsa 1 Alsa

2 Alsa 1 Alsa 1 Alsa

1 Alsa

1 Alsa

1 Alsa

1 Alsa

1 Alsa

1 Alsa

1 Alsa

1 Alsa

Ram

4710

Camp 1 Alsa

4900

1 Alsa

June 14 Camp 290 4900

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

1 Alsa 1 Alsa 1 Alsa

June 23 3/4 of Christmas Eve

Antennaria 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

Bignonia 3

Ranunc

Delphinium 10

Dracopis

Schizanthus

Grass

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper

Juniper



June 25 Camp 8 3550

- Myiarchus cinerascens
- P. hippocrepus
- Spizella
- M. b. l.
- S. l. l.
- M. l. l.
- C. l. l.

Parus h. h.

C. l. l.

P. h. h.

S. l. l.

M. b. l.

C. l. l.

Sp. l. l. 3350

C. l. l. 2900

P. h. h.

M. b. l.

S. l. l.

C. l. l.

P. h. h.

M. b. l.

C. l. l.

Cont 2975

June 26 Camp 3, 2900

L. l. l.

S. l. l.

C. l. l. 4200

M. b. l.

C. l. l. 3900

S. l. l.

P. h. h.

M. b. l.

C. l. l.

S. l. l.

June 27

C. l. l.

S. l. l.

C. l. l.

M. b. l.

C. l. l.

S. l. l.

C. l. l.

M. b. l.

C. l. l.

S. l. l.

C. l. l.

M. b. l.

C. l. l.

S. l. l.

C. l. l.



Long Creek June 27

*Physalis* - in flower

*Clarkia*

*Lupinus pulchellus*

(in flower)

*Erigeron*

*Corydalis alba*

" (in flower)

*Antennaria dioica* - flower

*Spiraea*

*Chrysanthemum laeve*

*Galatella*

*Erigeron annuus*

*Meibomia*

*Melothra* 4

*Silene acaulis* 1

*Corydalis alba*

*Chrysanthemum laeve* 1

*Erigeron annuus* 1

*Physalis* 1

*Antennaria dioica* 1

*Spiraea* 1

*Erigeron annuus* 1

*Physalis* 1

*Chrysanthemum laeve* 1

*Galatella* 1

*Meibomia* 1

June 28 Camp 7 1550

*Penstemon*

Long Creek

Meibomia 2200

*Antennaria (corydalis)*

*Crataegus* in flower

*Sedum*

*W. (this) angustifolia*

*Carex* 1

*F. (this) angustifolia*

*Trachium*

Bakeria 2400

*Erigeron annuus* 1

Camp 2000



June 27 Camp. 6 1850  
 Top of Canyon 1700  
 Chorizanthe  
 Passiflora  
 Cathartes

Sharon Bridge 350  
 Rhynchospora  
 Galium  
 Berberis  
 Chamaelirium  
 Mentzelia laevis  
 Yucca elata (Walt.) 500  
 Top of hill 650

Top of Hill 2750  
 Camp. 1400  
 Chorizanthe  
 Opuntia

June 28 Camp. 6:30 1450  
 Ephedra  
 Corylus  
 Spiraea  
 Theophrasta 200  
 Fallopia purpurea  
 Camp 500  
 Typha latifolia  
 Hieracium cicutarium  
 Potamogeton nodosus

July 3  
 Physalis 2  
 Grindelia  
 Oenothera  
 Erigeron 3  
 Lupinus (flavus)

"  
 Anemone 2  
 Ranunculus  
 Equisetum (near to the top)  
 " albicollis  
 Helianthus  
 Pinus ponderosa  
 Quercus  
 Crotalaria  
 Philadelphicus  
 Prunella  
 Acer  
 Calochortus  
 Plantago patens

Pipilo  
 Parus cristatus  
 " gambelii  
 Vireo  
 Empidonax  
 Sialia mexicana  
 Colaptes cafer  
 Myiarchus cinerascens  
 Setophaga ruticilla  
 Lanius borealis



July 3 Rio Columbia R

*Abronia*

*Verbena bracteosa*

*Plantago grappajochis*

*Lactuca (wild) (Mun.)*

*Trisetum*

*Boerhaavia thymoides*

"

*Amazilia*

*Helminthophila serotina*

*Cyanocitta*

*Parus*

*Lithospermum (Pisoni?)*

*Sedum spectabile*

*Polypodium*

*Phyllanthus*

*Alouatta palliata*

*Mephitis*

*Lepus*

*Euphorbia corollata*

*Arctostaphylos*

*Croton mexicanus*

*Myrica*

*Setaria*

*Valeriana*

*Syntherisma*

*Thysanotus*

*Stemella*

*Tyrannus*

July 3 North Valley, Wash

*Spizella*

*Passerina versicolor*

Alphag 6/0 x 230 x 75

1 1/2 1 1/2 1 1/2

*Lophophanes*

*in cinctus*

*Certhia*

*vicinior*

*Peromastus*

*Chondestes*

*Turdus*

*Coereba bartholemica*

*Falco sparverius*

*Vesperugo hesperus*

July 4

*Fica*

*Chondestes*

*Setaria longicauda*

*Sporobolus*

*Poa*



July 7 Camp 8  
top of ridge

550  
2900

Centerville

2050

Centerville

2100

Camp

2200

July 8 Kittitas Creek

Junco

com. birds

Redwings

Chardons

com.

Chardons

com.

Chardons

Picicorvus (black cap) 2

Melanerpes formicivorus 1

Orientalis pubescens 4

Ceryle alcyon com.

Tringas

head

Empidonax

ant

Passerina amoena, 1st & 2nd

Tachycineta thalassina com.

Sitta carolinensis com.

Actitis macularia 1

Sitta carolinensis 1

Cyanocitta

2

Pipilo

1

Platanus

Urtica dioica

Zinnia

Rhus copallina

Pseudotsuga taxifolia

Quercus

Populus tremuloides

Betula occidentalis

Alnus

Salix

Corylus

Castanea

Gilliesia

Colona grandifolia

Phyladelphus

Alnus incana

Ribes divaricatum

Ribes cereum

Ribes

Lonicera involucrata

Rubus

in black cap

Spiraea Douglasii

Carpinus

Myrica

Spizella socialis



Suckias Creek, July 8

Thomomys

Spermomys

Tamias

Spermophilus lateralis

Sciurus Calif.

Sciurus pallidus

Arctomys

Thomomys

Nictor

Peromyscus

Sorex

Spermomys

Vesperugo

Nyctocorvus nocturnus

July 9 Camp 5 2100

Golden Eagle 2050

July 2200

River Ranch 500

Camp 900

Wentzella macrourus

Oryzopsis montana

Silene

Opuntia

July 12 Camp 7 900

Rock Creek 900

Camp 3 1200

July 11 Rock Creek 7 850

Top ridge 3200

Camp 3900

Camp 3950

Chalchicomula

July 12

Sitta carolinensis

Sitta canadensis

Pipilo maculatus

Junco hyemalis

Spizella

Sialia mexicana

July 13

Merula

Larus

Piranga

Empidonax

Melanerpes formicivorus

Oreothlypis virens

Parus amarus

Tachycineta

Dendroica auduboni

Vireo

Chondestes

Parus palmarum



*Carpodacus cassinii* 2  
*Falco sparverius*  
*Accipiter cooperii* young ad.  
*Buteo swainsoni*  
*Troglodytes*  
*Bubo* 1  
*Colaptes cafer* 2  
*Dendroica auduboni* 1 E  
*Cyanocitta* 1 hard  
*Penes* 2  
*Contopus richardsoni* 1  
*Empidonax*

*Pinus ponderosa*  
*Quercus*  
*Abies*  
*Ulmus*  
*Papaver*  
*Salix*  
*Ostrya*  
*Amelanchier*  
*Rosa*  
*Cercocarpus*  
*Menziesia*

July 13 Camp 1 3850  
 Malheur

Birdston 3753

*Artemisia tridentata*  
*Echinops*  
*Baccharis*  
*Spilargis*  
*Lupinus*  
*Chenopodium*  
*Achillea*  
*Yucca*

*Artemisia tridentata*  
*Baccharis*  
*Trifolium*  
*Eriogonum*  
*Tetradlea*  
*Grass*  
 Malheur 13 500  
 Camp 1 1200

*Saxifraga*  
*Dolichopoda*  
*Glycyrrhiza*  
*Asclepias*  
*Ranunculus*  
*Phlox*  
*Loasium*  
*Polemonium*



*Abutilon*  
*Ruellia albicaulis*

" 1 green "

*Ipomoea purpurea*

*Oryzopsis umbellata*

*Verbena bracteosa*

*Nicotiana*

*Malvastrum nuttallianum*

*Rumex crispus*

*Gerardia pallida*

*Eriogonum "ruripes"*

" " " " "

*Xanthium*

*Salicaria*

*Alouatta*

*Pentstemon*

*Clematis*

*Helianthus*

*Erigeron*

*Grindelia*

*Yucca*

July 17

8

850

Lunch

950

Top of hill

Camp

1000

Coloma grandiflora

*Lupinus pubescens*

*Madia*

July 18 Camp 7

800

Water

North of camp, Camp 3, 1225

July 20 Town 770, 1500

Artesian wells

Camp 4

camp 4

Lunch 3 highway

Stomach 2

Crossed

Summit

2300

Top of hill

1800

Camp

2550



July 21 Camp, 7 2/10

~~Bathornis~~

Pica at sps.

Trochilus rufus 1

Lanius "

Crossopetes "

Zenaidura "

Amphispiza "

Sturnella "

Podiceps (traces) "

Chordeiles "

Falco mex. 2

Centrocercus (tracks)

Otocoris 6 on sand

Old Creek 1150

Spectator family of 7

Woon camp, 1 mi. from White Bluffs  
12 1/2 12 00

Foot Sp. camped

Thicket Hawk  
Chordeiles

July 22 Tub Spr., 8, 16

Summit 12 2550

North Yakima 1600

Plants at N. Yakima same  
as Wootton & Columbia Valley



July 26 Camp 11 1355

up Natchez River  
Oaks, 14 mi. up R., 2100  
Camp 16 mi. 2125  
20 miles

July 27 Camp 780  
Patterson's 2550

Last ranch 12 2600  
Hanging Rock 2850  
Camp above Pumpkin R.  
27 miles

July 28 Camp 8 3000  
Top of first ridge 3750  
Camp at first lake 7  
2.5 mi.

July 29  
Camp at lake 8 4150

Plant Catalogue 1897

720.

67. *Gilia linearis* S  
Summer Lake, Oregon, June 21

68. *Astragalus* S.  
Summer Lake, Oregon, June 21

69. *Gilia* S  
Summer Lake, Ore. June 21

70. *Astragalus* ?  
Summer Lake, Oregon, June 21

71. *Tetradymia spirosa* S  
Summer Lake, Oregon, June 21

72. *Tetradymia glabrata* S  
Summer Lake, Oregon, June 21

73. S  
Prineville, Oregon, June 26, 97

74. S  
Prineville, Oregon, June 26

75. S  
Prineville, Oregon June 26

76. *Phacelia* S  
Prineville, Oregon, June 26

77. S  
Prineville, Oregon, June 26

78. S  
Prineville, Oregon, June 26



79. ~~Dalea~~ *Psoralea*

5

The Dalles, Oregon, July 3

80. *Croton setigerus*

5

The Dalles, Oregon, July 3

81.

*Eriogonum aculeatum*

5

The Dalles, Oregon, July 3, 1897

82. *Eriogonum "nucula"*

5

The Dalles

83. *Eriogonum latum*

5

The Dalles

84. *Lupinus*

The Dalles, July 3.

85. *Polygonum douglasii*

The Dalles, N. side, Oregon, July 4

86.

The Dalles, (N. side) July 4.

87. *Opuntia*

Wabton, Wash., July 16.

M

88. *Opuntia*

Wabton, Wash., July 16.

89. *Bigelovia green-leaved*

Wabton, Wash., July 16.

90. *Eurotia*

Wabton, July 17

91. *Lupinus pubescens?*

Toppenish, Wash., July 17

92. *Artemisia rigida*

Wallowa Canyon, Oregon

Sep. 18, 97.



July 29 (Taurin Lake)  
(Quincy B. Lake)

Camp 7

9150

*Pinus ponderosa* a few

" *maritima*

" *bonticola*

*Picea engelmannii*

*Abies concolor*

" *concolor*

*Pseudotsuga*

*Tsuga plicata*

*Thuja occidentalis* ?

*Rubus nutkanus*

" *lasiocarpus*

*Rhododendron polio-stictum*

*Vaccinium microphyllum*

" *myrtillus*

" *big*

*Juniperus communis*

*Pyrola asarifolia*

*Linnaea borealis*

*Chrysophyllum rubicundum*

*Pyrola*

*Smilax racemosa*

*Streptanthus*

*Lonicera involucrata*

" *stans*

" *alt.*

*Gaultheria*

*Salix longi*

*Potentilla racemosa*



*Erythronium leucogynum*  
" " and white

*Gracillimum tenax*, in place

*Arctostaphylos californica*

*Acer glabrum*

Lunch 4775

Camp in Cowitz Pass 5050

20 mi

July 27 Camp 5175

Summit of ridge 6500

*Boykinia uniflora*

" " pubescent?

*Erigeron pectinatus*

*Veronica viridula*

Camp 15 mi 5250

July 31 Camp 1 5200

*Gaultheria stolon*

*Vaccinium viridula*

*Ceanothus velutinus*

*Acer* (crooked)

*Rubus* (blackberry, ripe)

*Berberis*

2050 feet

*Quercus*

*Arbutus* (chittens)

*Arctostaphylos* (blue leaved)

" " *alba* *arosa*

*Acer macrophylla*

*Longa* *argentea*

*Ambrosia* *reticulata*

*Cornus* *rigida*

*Corylus*

*Populus balsamifera*

*Thuja*

Camp at foot of ridge 1575

20 mi

Aug 1 Camp 8 1450

*Fatsia* *parvifolia*

*Alnus* *trichocarpa*

up Skatoletu

Camp on top of Skatoletu

10 mi

Aug 2

*Longidius* *Sp.*

up Nisqually R.

Paradise R.

Paradise Park

10 mi

Aug 5 Paradise Park 1950



Paradise Park

*Erythronium grandiflorum* <sup>yellow</sup> <sub>pasture</sub>  
 " *montanum* <sub>yellow</sub>  
*Clintonia uniflora* <sub>yellow</sub>  
*Bryanthus cuneatus*  
 " *glanduliflorus*  
*Erigeron* *mertensianus*  
*Erigeron pectinatus*  
*Caltha leptocarpa*  
*Pubescentilla occidentalis*  
*Potentilla gelida*  
*Ranunculus eschscholii*  
*Pyrus occidentalis*  
*Abies balsamifera* <sub>timberland</sub>  
*Larix laricina*  
*Camosciptus nuttallii*  
*Pinus albicaulis*  
*Juniperus sibirica*  
*Salix purpurea*  
*Castilleja*  
*Veronica* <sup>yellow</sup> <sub>timberland</sub>  
*Veronica* <sup>yellow</sup> <sub>timberland</sub>  
*Veratrum* *viride*  
*Aconitum napellus*  
*Gerythium* *trux*  
*Antennaria calycosa*  
*Polygonum bistorta*  
*Dodecatheon nudicaule*  
*Saxifraga* *rosea*  
*Pentstemon*  
*Valeriana sitchuanensis*  
*Lupinus* *nigricans*

*Solidago humilis*  
*Vaccinium ovalifolium*  
*Pedicularis racemosa*  
 " *racemosa*  
 " *ornithoglossa*  
*Saxifraga* *bandieri* *talensis*  
*Hieracium* *monochlorum*  
*Artemisia*  
*Pink*  
*Erigeron*  
*Gentiana* *myrsinites*  
*Pentstemon confertus* *propinqua*  
 " *confertus* (yellow, purple)  
 " *undulatus*  
 " *undulatus*  
*Ribes laxiflorum*  
*Kalmia glauca* *alpina*  
*Salix* *barclayi*  
Aug. 5 Paradise Camp 1910  
Below Paradise Pl.  
Camp above falls <sub>below</sub>  
Paradise Falls  
*Antennaria* *viridis*  
*Polemonium*  
*Pedicularis* *bracteata*  
*Rhododendron* *diffusum*  
*Vaccinium microphyllum*  
 " *myrsinites*  
 " *parvifolium* (redberry)  
 " *ovalifolium*



Pacific Co.

*Rubus lasiocarpus*

" *pedatus*

" *spectabilis*

*Saxifraga hypnoides*

*Achillea trifoliata*

*Lilium columbianum*

*Leptocarpus* *luteus* *Saxifraga*

*Melospiza*

*Pedicularis monantha*

*Saxifraga punctata*

*Lol.*

*Zapus beecheyi* nest &

5 young at Prof. Allen's

hole 15m long stopped at

both ends, 2 in between

+ 4 at nest.

2 yg. caught

+ 1 dead one near by



Aug. 9 Camp 8. 4175  
The road falls

*Longvires*

3800

*Allen*

2725

14 mi.

Aug. 10 Allen, 8,

2625

*Larch*

5200

Camp at timberline

6600

15 mi.

Aug. 11

*Saxifraga monantha*

*Antennaria capillaris*

*Potentilla fruticosa* : dwarf

*Pentstemon* : shrubby

*Euthra*

*Sedum*

"

*Saxifraga* *glauca*

*Antennaria* *capillaris*

*Antennaria* *capillaris*

" *affinis*

*Picea engelmanni*



Aug. 12 Camp	1130	6600
Lone Camp	3	6900

Aug 13 Lone Camp 9 4900  
 Old camp 6700  
 Burnt forest Camp  
 Allens place 15 mi

Aug 1<sup>st</sup>  
Camp 8:30  
Elba  
Eatonsville  
Camp 6:30 25 mi.

Aug 14 Camp 7:50  
Glenview  
Ray 2 P.M. 20 mi.  
To Thomas Smith by rail  
63 mi.

May  
 Agave <sup>nitida</sup>  
 Carous  
 Calaptes  
 Ptilodroma <sup>W. W. W.</sup>  
 Ceryle alcyon  
 Lanius

Stelia  
 Euphorax  
 Laurus  
 Piptis argentea 12  
 Chelidonium 10  
 the Carduus  
 Fallopia argentea  
 Iteadella  
 Crocus  
 Conyza  
 High seeds  
 Schandha gya  
 Aug 18

Otocoris  
Puccin  
Lab. white  
Otocoris 50 in 1000

Zeugma  
*Encephalopus* 10  
*Calliphora* 6  
*Colletes fuscata* 1  
*Dinorcia rubicunda* 4

Deutscher 2  
Brasserie 4



Aug. 1, Aug. 95

*Corylus rostrata*  
*Q. macrophylla*  
- *macrocarpa*  
*Fraxinus viridis*  
*Populus balsamifera* *trichocarpa*  
*Quercus garryana*  
*Cornus* *sp.*  
*Spiraea alba*  
*Prunella virginiana* *opulifolia*  
*Rhamnus*  
*Amelanchier*  
*Cedrus virginiana* *opulifolia*  
*Salix discolor*  
*Pseudotsuga*  
*Larix laricina*  
*Pinus strobus*  
*Larix laricina*  
*Vaccinium parvifolium*  
*Alnus*  
*Rosa pratincola* *calif.*  
*Malus baccata*  
*Sambucus racemosa*  
*Epilobium* *sp.*  
*Delphinium*  
*Gaultheria procumbens*  
*Linnaea borealis*  
*Ceanothus*  
*Ribes*

*Ribes divaricatum*  
*Cretagus rivularis*  
*Pyrus* *sp.*  
*Larix laricina*  
*Salix* *sp.* *lutea* *sp.*  
*Rubus* *sp.*  
" *blackberry* *sp.*  
*Pteris* *sp.*  
*Cornus asperifolia* *pubescens*

Aug. 19 Camp 740

Grass many species  
*Abies*  
*Rubus*  
*Antennaria*  
*Trifolium*  
*Urtica* *sp.*  
*Salix* *sp.*  
*Populus* *sp.*  
*Compositae* *sp.*  
*Hieracium* *sp.*  
*Cinara*  
*Dracopis*  
*Ball Thistle*  
*Wagtail*  
*Hypoxis* *sp.* 32 mi.



Dumplings  
Aug. 20 7:40

Cyanocitta com  
Pooecetes  
Junco  
Parus rufescens  
Chelidon  
Angelica cyanea  
Melanerpes torquatus 2  
Corvus 1000  
Spinus  
Empidonax  
Helminthophila  
Colaptes cafer  
Melanerpes torquatus 7

Kent  
Agelaius phoeniceus abn  
Sturnella com  
Lanius  
Dendroica auduboni  
Mniotilta  
Pipilo erythrophthalmus com  
Mniotilta  
Geothlypis trichas 10  
Troglodytes

Aug. 21 Camp 9  
O'Brien  
Spring Creek  
Raptors 8 mi

Aug. 22 Seattle 12

Aug. 23  
Seattle  
East Townsend  
Nuttallia ceraciformis  
Cuscuta versicolor  
" aquilegifolia  
Salix lutescens  
" sitkensis  
Lysichiton Kantschensis  
Pteris aquilina  
Polypodium lonchitidis  
Polystichum nemorosum  
Lomaria spicata



Aug. 23 Seattle

On S.S. Garland  
Port Townsend, daylight  
Fairhaven  
Port Angeles  
Port Crescent 6 mi to  
Crescent Lake camp

Aug. 24 Crescent Lake 12 mi

Soliduck R. 7 mi.  
Harrison's Ranch, camped 7 mi

Aug. 25

Hot Spr. 2 mi. 1700  
Camp 2 mi. S. of 5500  
Soliduck R. 15 mi.

*Populus trichocarpa*

*Alnus incana*

*" viridula*

*Ulmus alpinus*

*Cornus pinnatifida*

*Salix*

*Thuja plicata*

*Picea mariana*

*" patens*

*Pseudotsuga taxifolia*

*Taxus brevifolia*

*Camosciopus*

*Picea sitchensis*

*Abies grandis*

*" amabilis*

*" nobilis*

*Larix laricina*

*Pinus contorta*

*Juniperus communis*

*Menyanthes*

*Photodendron villosum*

*Lespedeza bicolor*

*" microphylla*

*" argentea*

*" ovalifolia*

*" ovata*

*Juniperus communis*

*Bayanthea confertiflora*

*Cassiope mertensiana*

*Galium*

*Viola*

*Valeriana officinalis*

*Aquilegia*

*Corydalis*

*Sium*

*Arbutus*



Aug. 29 down to Hot Springs &  
to Wynnton at Moore's place.

Aug. 30 to Port Crescent &  
by boat to Nah Bay

Aug. 31 to Seattle, & to  
Renton - 12 mi.

Sept. 1 to Seattle

Sept. 3 to Ellensburg

Sept. 9 to Walla Walla &  
Pendleton

Sept. 10 to Elgin.

Elgin 2 PM	2900
Top of ridge	41000
Bridge over Wallawa	2800
Wallawa	3200
Lasting	3450
Joseph	4550
(Ellis' ranch - lake)	4830

Sept. 11

at trail to at 7600 E.H.W.

Upper lake 7600

Top of ridge

W. to lake 9000 estimated

Top of ridge 9800 "

Pyramid peak 10500 "

Sept. 12 Ellis 9 4875

Joseph

Edges timber N.E. 5050

Lower

Alnus incana

Pinus grandis

Pinus ponderosa & larix

Quercus glabra

Alnus

Pinus murrayana

Cypripedium 4350

Lagotis

Alnus incana



Picea 6500  
 Pinus albicaulis com. at 7500  
 Argyanthus 7600  
 Lagopus shot at 7800  
 Lagopus shot at "

Tragopogon sp. 6500  
 Vaccinium canadense  
 Adiantum  
 Parnassia  
 Phlox Douglasii  
 Ribes cereum  
 Grass  
 Carex  
 Saxifraga punctata  
 O. H. 31  
 Antennaria  
 Epilobium  
 Potentilla  
 Lupinus  
 Pastinaca  
 Shit  
 Valerian  
 Achillea millefolium  
 Penstemon  
 Potentilla  
 Solidago  
 Potentilla fruticosa  
 Ribes (black) growing up  
 Saxif.  
 Polmonaria com. forestum  
 Thalictrum

Up to 8000  
 Back to sheep tanks 5100  
 Joseph 5200

Sep 13 Rained

Sep 14 Ellis Ranch 9, 4600  
 George Canyon 7825  
 George Lake 8000  
 N. timberline 8600  
 Pyramid peak 10600  
 Back to ranch 9 P.M. 4475

Making Stomach 11 A.M.  
 Hoffman Phillips

Sep 15 Ellis Ranch 9, 4450  
 Ellis Canyon 6100  
 Youngs Canyon 7700  
 Lake 2 7900



Sep 16. Camp at lake, 8	7850
Phonocarpus	7950
M. nordan	8300
M. E. timberline	8750
Pinus albiculis	"
Abies concolor	"
Picea	9000
Thomomys hills	9200 E.
S. chrysodermis holes	" E.
Tamus trees	" "
Lucas Rd	9400 S.
Pubescens steep	" S.
S. lactescens "	" S.
Thomomys hills	" S.
S. chrysodermis road	" S.
Phonocarpus sign. forest	" S.
Extensive timberline	" Sp.
Arctostaphylos	"
Juniper	"
Zonitrichia	"
Leucocystis	"
Pinus gambelii	"
Picea	"
Accepted color	8700
Phonocarpus sign.	9800 S.
first peak	10300
Crescent Peak 1130	10400
" " 12	10425
Phonocarpus trees	"
Lagomys tracks	10800
" "	10000

Abies timberline	
Pentstemon	9500-10000
Phlox longicaul?	" 10400
Draba	" "
Astragalus	"
Lister	" 10400
Erigeron	" "
Grass 2	" "
Carex	"
Solidago	"
Cinerea	9600
Vetch	"
Physalis	"
Lusuli	"
Antennaria	"
Sedum	"
Ribes lacustrum	"
Achillea millefolium?	"
Psilocarpha graminifolia?	"
Castilleja	"
Eriogonum	" 10500
Geranium	9800
<hr/>	
Mustela caninus tracks	10100
Ovis 1 foot.	8500
Ursus americanus tracks	"
Juniperus nana	9200
Vaccinium microphyllum	"
Upper Ridge 8500 Camp 5	8000



Sep 16. Driedale, 1 at 8,700  
 Falco mexicanus 1 "  
 Melanerpes formicivorus 1 8,100  
 Dendroica  
 Zenaidura  
 Junco  
 P. gambeli  
 Anthus ludo-  
 lucastri  
 P. leucurus  
 Sialia arctica 1 8,000

Sep 17 8. Camp, 7950  
 Pica pumila "  
 P. harrisi "  
 Birds collected at 7900  
 P. harrisi 6000  
 L. v. "  
 P. harrisi "  
 C. carolinensis  
 Junco virginianus

Sep 18 Joseph 2 AM.

Chain  
 Lakeview 2875  
 Perry

Camila, all P. harrisi  
 & L. v. in spruce

Meade (5500)  
 P. harrisi - dark  
 Meade Valley

Sep 19  
 Spokane, 713 2 AM.  
 Sunday

Sep 20  
 Spokane 8 AM.  
 Loon Lake  
 P. harrisi  
 L. v. harrisi  
 L. v.  
 P. harrisi  
 Chewala

Colville  
 Maroon 12



Sep. 21 Marcus

Populus tremuloides  
" balsamifera stipularis

Alnus

Betula

Corylus

Pinus ponderosa

Pseudotsuga

Thuja plicata in gulches

Juniperus occidentalis - ?

Ribes ripens? in gulches

Pachystima

Sambucus

Critagus rivularis

Rubus glabra

Rubus glaberrimus

Rhysocarpus

Spiraea arguta

Symphoricarpos

Artemisia ludoviciana

dracunculoides

Gilia aggregata

Aster 3

Solidago

Helianthus

Achillea millefolium

Thapsus

Ceanothus

Ascyrum

Phacelia nageionica

artemisia

Plantago quadrifida

Lamium in gulch

Verbena stricta

Marcus Sep. 20 -

Pica

Accipiter velox

Junco

Actitis

Zenaidura

Cathartes

Accipiter cooperi, 1 head

Colaptes

Oriobates

Sitta

Parus septentrionalis

Anthus ludovicianus

Spizella pallida?

Coccyzus

Regulus satrapa

Coccyzus erythrophthalmus

Merula

Salix pyramidalis



Sep. 23 7 AM, 11 miles 1750  
 Columbia River 1675  
 Fall R. crossing 1750  
 High ridge 1030 3000  
 End of P. ponderosa "  
 P. murrayana "  
 Linnaea borealis "  
 Picea "  
 Creek bridge 1/2 Shesler Cr. 3150  
 Cassia canadensis "  
 Chrysothamnus nubilata "  
 Abies grandis  
 Styphelia canadensis  
 End Camp 12 mi. 3800  
 End of chopping 4100  
 Larch 4300  
 Abies douglasii 6000  
 Vaccinium microphyllum "  
 only Abies  
 P. murrayana  
 Picea on summit  
 Summit 4 6550  
 Top ridge 445 7700  
 Pseudotsuga  
 P. ponderosa S. 5600  
 Camp 445 4850  
 Supper by creek 4350  
 Curlew Creek

Sep. 24 Low Camp 4850  
 Breakfast by creek 4550  
 P. murrayana 4600 - 4600 S  
 Pseudotsuga - 7750 S  
 Larch - 7000 S  
 P. murrayana 5600 - 7750 S  
 Abies 7000 - top S  
 Picea  
 Pseudotsuga 4550 - 5600 S  
 Summit 9 AM. 7750  
 Peaks about 8500  
 North slope  
 P. murrayana top  
 Abies (specimen at 7850) "  
 Vaccinium microphyllum "  
 Picea 7350 ft.  
 Pseudotsuga 6800  
 Pseudotsuga 6000  
 Lower Summit 10500 6700  
 Larch "  
 Abies grandis  
 P. ponderosa  
 Picea  
 Sorbus  
 Spirea bicephala  
 Rubus phloea  
 " white  
 20 mi. from 11.30 3800  
 Abies  
 Larch



Populus trichocarpa	5000
Aspen alabrum	
Larix 1 PM	4700
Thuja plicata	4400 S
Picea canadensis	n S
Headland 2100	4050
High Bridge 4775	3408
Lower Shumway Creek	
Marion T	2100

Apr 25 Marces 3 P.M.

Agave Laks, G. H. 24, 28.50

Sept 26 Looe Lake

Exp. 27 to Spokane

Exp. 28 5/8/06

Sept 29 Spoke 7:30

Priest River 130 3050

Point Lake 8:30 3546

Feb. 30 Priest Lake

*Pinus muricata*

*Pinus monticola*

*Pinus ponderosa* var.

*Pseudotsuga*

Picea

*Luzula myosuroides*

*Abies grandis*

*Thuja plicata*

*Larix occidentalis*

*Acet glabrum*

*Betula*

Alnus

Rheum

*Populus balsamifera*

1. *Stenobothrus*

*Spina acedifolia*

*Philadelphus lewisii*

*Rubus nitkanus*

*Fatera horrida*

*Liriodendron kamebathense*

*Pachystima argentea**Linnæa borealis*

Calvin's work

*Cantharis octotum*

Amadori Los Angeles, Cal.

*P. stygia* *albans*

20 Extra Figs. 6

Hyphomys

*Zak's privilege. a fear*



Oct. 1, Brice River,  
to Kellogg

Oct. 2

Leavenworth to  
Minot

Oct. 3 Fargo to  
Elk River

Oct. 9 Elk River  
to Minneapolis

Oct. 10

Minneapolis 7:30  
via Northwestern R.R.

Black River Falls

Very sandy, pine barrens,  
tamarack swamps,

rocky cliffs

Geomys hills, numerous  
nesting, good cliffs for  
them.

Pinus strobus

" resinosa?

Quercus?

(An evergreen shrub?)

(Black River Falls is a good  
place to work from)

Millston, a good point

very sandy, pine & oak

barrens, tamarack swamps

clay, ridges & rocks

and S.W. Geomys very

numerous.

Horreus

Geomys



Wisconsin

Needs Junction

Good Neotoma cliffs along

Turned

Good dips all along to  
Elroy

Lovell, fine Neotoma cliffs

Rudburg

Ableman

Rocky canyon & broken  
cliffs, but place not for rock  
collecting

Barraboo

Richland, at top of

Barraboo Bluffs, large  
lake, numerous rocky ridges  
good place to work.

Madison Park

Chicago 7:45

Oct. 11 Chgo to

Pittsburg

Oct. 12

Washington 8:45



Washington D.C.  
March 20, 1898.

<i>Meleagris</i>	com.
<i>Junco</i>	abund.
<i>Spizella socialis</i>	2
<i>Spizella socialis</i>	com.
<i>Melospiza fasciata</i>	"
<i>Parus</i>	2
<i>Parus - L. H.</i>	com.
<i>Dendroica coronata</i>	1
<i>Coccyz</i>	abund.
<i>Sitta carolinensis</i>	1
<i>Colaptes</i>	2
<i>Sayornis phoebe</i>	2
<i>Thryothorus</i>	com.
<i>Sitta carolinensis</i>	"
<i>Quiscalus</i>	"

March 20, 1898 -  
Washington D.C.

*Asplenium* - first -  
*Senecio* bush "  
*Asplenium*  
*Populus tremula*  
*Artemisia*  
*Saxifraga* first seen  
*Asplenium* a few - first

March 27

*Japanese* *Quercus*  
*Maesolias*  
*Vitis* *tricolor*

April 3

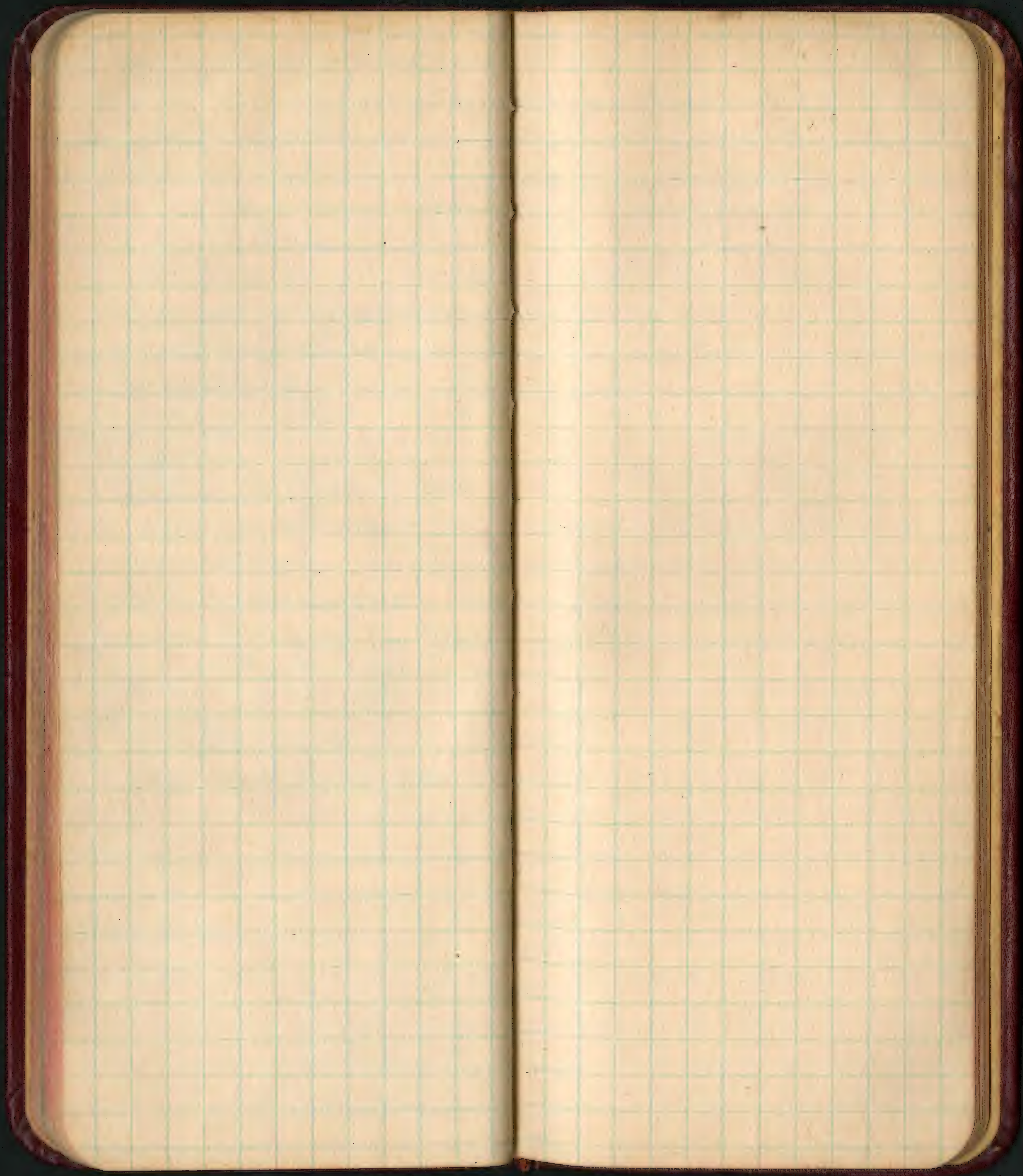
*Viola pedata*  
*Obolonia*  
*Anemone*



April 3, Woodly Park.

<i>Colaptes auratus</i>	7
<i>Diobates pubescens</i>	1
<i>Corvus americanus</i>	com
<i>Corvus ossifragus</i>	1
<i>Cathartes aura</i>	1
<i>Quiscalus quiscalus</i>	com
<i>Merula migratoria</i>	"
<i>Sturnella magna</i>	2
<i>Spizella pusilla</i>	3
<i>Sayornis phoebe</i>	1
<i>Regulus satrapa</i>	com
<i>Parus carolinensis</i>	"
" <i>bicolor</i>	
<i>Certhia familiaris</i>	1
<i>Junco hyemalis</i>	com
<i>Cyanocitta cristata</i>	1
<i>Melospiza fasciata</i>	1
<i>Accipiter velox</i>	1
<i>Zenaidura macroura</i>	1







Reptiles 1897

Crotalis, Lost River, Oregon

" Swan Lake "

Ptychocheilus, Paisley. "

Horn Toads, Clear Lake "

" Pitt River V. "

" Lost River "

" Summer Lake "

" Mid Christmas Lake "

Stenopelmatus, Swan Lake

Summer Lake

Horn Toads, Head of Lost River

June 28, 1897

Colaptes auratus

The Dalles, & all around

Valley

Ptychocheilus

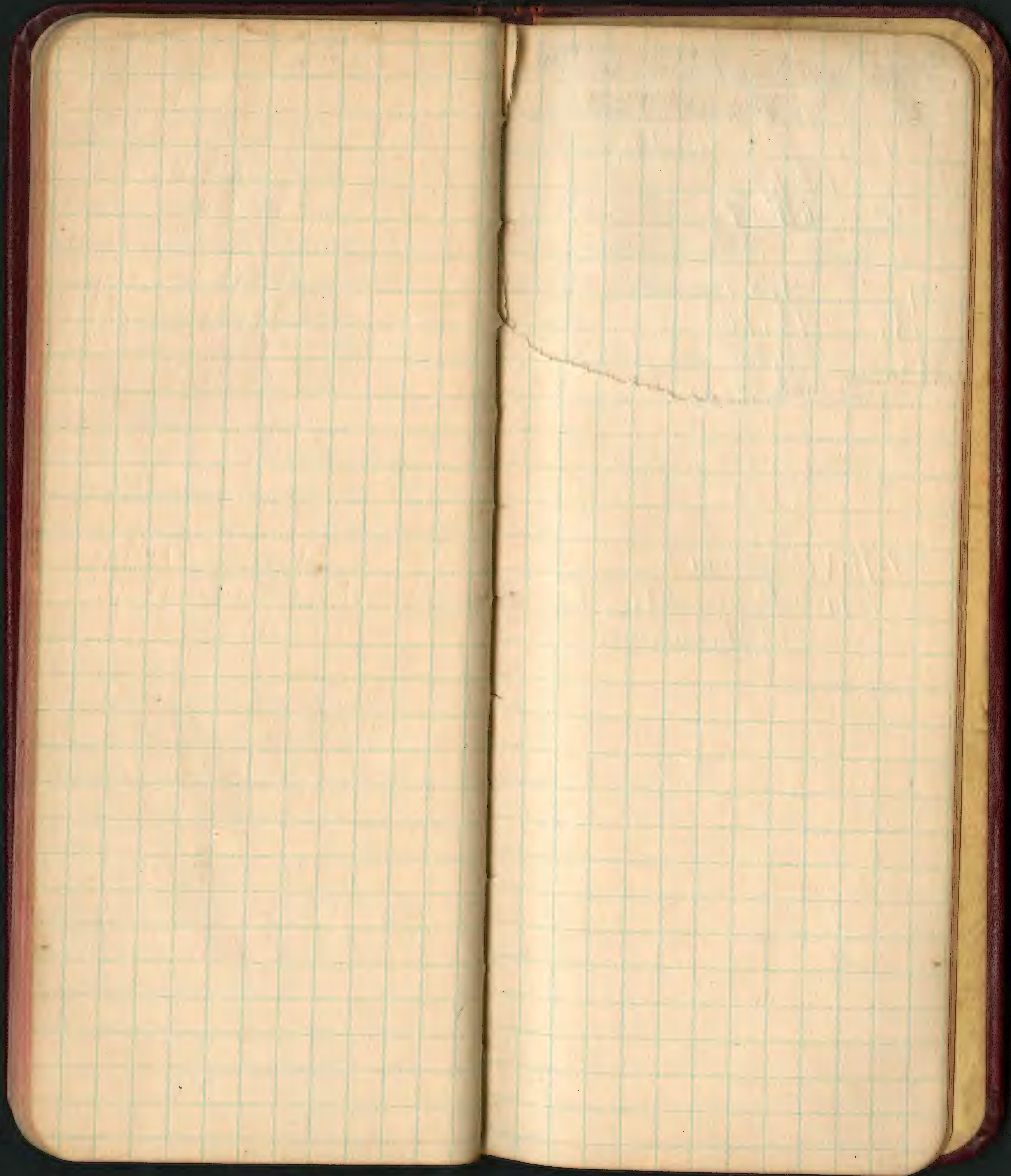
Sheran Bridge 1

The Dalles 1

Casey

The Dalles 2







Mt. Rainier 14550

Dr. H. V. Ogden  
141 Wisconsin St.  
Milwaukee



Expenses acct.

1897

1897

May 154.90

June 65.69

July 62.85

Aug. 64.55

Sept. 98.90

Oct. 90.25

Nov. 77.50

Dec. 80.45

Jan. 56.25

Feb. 54.10

March 62.10

1898

L. B. Applegate, Swan Lake Valley

Elinor J. Applegate

Elsie

Eveline

A. V. A. Richmond, Nicolllet + Ninth.

Freeman C. Wight Boston,

25 Hayward Place,



S. Clellan Saddle

No. 38412, Col. 84, 41.

12, 55

7.5. Roberts

5th & 1st Ave. S. 1603, 4th Ave. S.

Olds on

5th & 1st Ave. S.

John Ogden, 313, 10th St. S.

Evermann 412, T. St.

5

A. G. Johnsons

2 weeks notice before

starting in 1898

W. H. Pader's, Starkey, Or.  
for Corvill

Samuel L. Crawford of  
Crawford & Conover, Sattle.

Lewis House, Spokane

11th n. of Pa. Ave. old ways,

Frank H. Lakin, Albion, N.Y.

Asgood 1820, 9th

Newcomb 1607, T

Starks 414 Elm St.

Louis Taylor, 1211, Hopkins, Or. P. 2000

W. C. Kendall, 220, 13th S.W.



Distances travelled 1877

Wash. to Minn.

Minn. to Ashland, Or. 2418

Ashland to Klamath 65

With Camp outfit 1546

35  
3  
1.05  
.50  
.25  
1.80

Starks

414, Elm, Starks

1107 T. Newcomb

Continental 20 + B.

U12, F, H.W. Hedio

S. Dava Lincoln, Pers

Lowe 68.2.

Midford 1225, D.

Karney,

Pearson

Baldwin

Pirawos

~~John Hartman~~

~~High Hill School~~

~~first house on left side~~

~~Splains~~

~~Geo. Vanbuskirk~~

B. A. Vader

N. Yakima

William Stigeler

W. C. Kendall

~~Sup. 11/11, \$43.50~~

~~Sup. 20, \$100. paid~~

Seed 935, B.

Hoffman Philip, Joseph, Or.

Ann - 26 yrs. old Jan 13, 98.

Trinity Church.

Tuesday, Mich. 8.

Miss Baber



